

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Kathryn F. Sykes Stephen A. Johnston

Serial No.: UNASSIGNED

Filed: Concurrently Herewith

For: LINEAR AND CIRCULAR EXPRESSION

ELEMENTS

Group Art Unit: Unknown

Examiner: Unknown

Atty. Dkt. No.:UTSD:557USD1



CERTIFICATE OF EXPRESS MAIL	
NUMBEREL780049432US	_
DATE OF DEPOSITFebruary 15, 2002	

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents Washington, D.C. 20231

Sir:

In compliance with the duty of disclosure under 37 C.F.R. § 1.56, it is respectfully requested that this Information Disclosure Statement be entered and the documents listed on attached Form PTO-1449 be considered by the Examiner and made of record.

In accordance with 37 C.F.R §§ 1.97(g), (h), this Information Disclosure Statement is not to be construed as a representation that a search has been made, and is not to be construed to be an admission that the information cited is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b).

The present Information Disclosure Statement is being filed prior to the receipt of a first Official Action reflecting an examination on the merits, and hence is believed to be timely filed in accordance with 37 C.F.R § 1.97(b). No fees are believed to be due in connection with the filing of this Information Disclosure Statement, however, should any fees under 37 C.F.R. 25123872.1

§§ 1.16 to 1.21 be deemed necessary for any reason relating to these materials, the

Commissioner is hereby authorized to deduct said fees from Fulbright & Jaworski Deposit

Account No.: 50-1212/10200687/MBW.

This application is a continuation application of Serial No. 09/535,366, filed March 24,

2000, and is relied upon for an earlier filing date under 35 U.S.C. § 120. In accordance with

Rule 37 C.F.R. § 1.98(d) copies of the listed documents are not enclosed as they have been

previously cited by or submitted to the Patent and Trademark Office in prior application Serial

No. 09/535,366.

Applicants respectfully request that the listed documents be made of record in the present

case.

Respectfully submitted,

Mark B. Wilson Reg. No. 37,259

Attorney for Applicants

FULBRIGHT & JAWORSKI L.L.P. 600 Congress Avenue, Suite 2400 Austin, Texas 78701 (512) 536-3035

Date:

February 15, 2002

Form PTO-1449 (modified)		Atty. Docket No.	Serial N .	
		UTSD:557USD1	Unassigned	
List of Patents and Publications for Applicant's		Applicant		2
Information Disclosure S	STATEMENT	Kathryn F. Sykes and	Stephen A. Johnston	S. 7232
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U.S. Patent Documents	Foreign	Patent Documents	Other Art	5 =
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U.S. Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date of App.
	A1	5,703,057	12/30/97	Johnston et al.	514	44	4/7/95
	A2	6,001,590	12/14/99	Komeda et al.	435	69.1	09/12/96
	A3	6,143,530	11/7/00	Crouzet et al.	435	91.42	2/21/96
	A4	6,280,977	8/28/01	Liang et al.	435	91.2	3/23/00

Foreign Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No
	B1	DD 206791	02/08/84	German Democratic Rep.			No
	B2	EP 220482	05/06/87	Europe			
	В3	JP 6253863	09/13/94	Japan			No
	B4	JP 9135694	05/27/97	Japan			No
	B5	WO 0056914	9/28/2000	PCT			
	В6	WO 92/08798	05/29/82	PCT		···	
	В7	WO 93/24639	12/09/93	PCT			
	В8	WO 96/26270	8/29/96	PCT		. "	<u> </u>
	B9	WO 97/10345	03/20/97	PCT			Abstract
	B10	WO 98/21322	5/1998	РСТ			
	B11	WO 98/38296	09/03/98	PCT			
	B12	WO 99/02671	1/21/99	PCT			
-	B13	WO 99/45130	09/10/99	PCT			
	B14	WO 99/66053	12/23/99	PCT			

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	C1	Aslanidis and Jong, "Ligation-independent cloning of PCR products (LIC-PCR)," <i>Nucl. Acids Res.</i> , 18:6069-6074,1990.
	C2	Aslanidis et al., "Minimal length requirement of the single-stranded tails for ligation-independent cloning (LIC) of pcr products," PCR Methods and Applications, 4:172-177, 1994.
	C3	Barry et al., "Protection against mycoplasma infection using expression-library immunization," Nature, 377:632-635, 1995.
	C4	Bolen et al., "Isolation and sequence analysis of a gene from the linear DNA plasmid pPacl-2 of pichia acaciae that shows similarity to a killer toxin gene of Kluyveromyces lactis," <i>Yeast</i> , 10:403-414, 1994.
	C5	Buttrick et al., "Behavior of genes directly injected into the rat heart in vivo," Circulation Res., 70:193-198, 1992.
	C6	Carlyon et al., "Analysis of the organization of multicopy linear- and circular-plasmid-carried open reading frames in borrelia burgdorferi sensu lato isolates," <i>Infect. Immun.</i> , 66:1149-1158, 1998.
	C7	Cassata et al., "Rapid expression screening of <i>caenorhabditis elegans</i> homeobox open reading frames using a two-step polymerase chain reaction promoter- <i>gfp</i> reporter contstruction technique," <i>Gene</i> , 212:127-135, 1998.
	C8	Court and Bertrand, "Expression of the open reading frames of a senescence-inducing, linear mitochondrial plasmid of neurospora crassa," <i>Plasmid</i> , 30:51-66, 1993.
	C9	Felgner and Liang, "Debugging expression screening," Nature Biotech., 17: 329-330, 1999.
,,,,	C10	Griffith and Yang, "Recombination between heterologous linear and circular mitochondrial plasmids in the fungus neurospora," <i>Mol. Gen. Genet</i> , 249:25-36, 1995.
	C11	Grzeszik et al., "Genes encoding the NAD-reducing hydrogenase of rhodococcus opacus mr11," <i>Microbiology.</i> , 143:1271-1286, 1997.
	C12	Gusew et al., "Linear DNA must have free ends to transform rat cells efficiently," Mol. Gen. Genet., 206:121-125, 1987.
	C13	Haun and Moss, "Ligation-independent cloning of gluthathione S-transferase fusion genes for expression in Escherichia coli," <i>Gene</i> , 112:37-43, 1992.

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	C15	Johnston and Barry, "Genetic to genomic vaccination," Vaccine, 15:808-809, 1997.
	C16	Kain et al., "Universal promoter for gene expression without cloning: Expression-PCR," <i>Biotechniques</i> , 10:366-368, 370, 371, 374, 1991.
	C17	Kaluz and Flint, "Ligation-independent cloning of pcr products with primers containing nonbase residues," <i>Nucl. Acids Res.</i> , 22:4845, 1994.
	C18	Kamper et al., "Heterologous gene expression on the linear DNA killer plasmid from Kluyveromyces lactis," Curr. Genet., 19:109-118, 1991.
	C19	La Flamme et al., "Trypanosoma cruzi: expression of interleukin-2 utilizing both supercoiled plasmids and linear DNA's," <i>Exp. Parasitol.</i> , 83:159-163, 1996.
	C20	Li et al., "Delivery of a PCR amplified DNA fragment into cells: a model for using synthetic genes for gene therapy," Gene Therapy, 4:449-454, 1997.
	C21	Lobocka et al, "Characterization of the primary immunity region of the <i>Escherichia coli</i> linear plasmid prophage N15," <i>J. Bacteriol.</i> , 178:2902-2910, 1996.
	C22	Logel et al., "Synthesis of crna probes from pcr-generated dna," Biotechniques, 13:604-610, 1992.
	C23	Mead et al., "A universal method for the direct cloning of pcr amplified nucleic acid," Biotechnology, 9:657-663, 1991.
	C24	Meinhardt et al., "A novel approach to express a heterologous gene kluyveromyces lactis linear killer plasmids: expression of the bacterial APH gene from a cytoplasmic promoter fragment without in-phase fusion to the plasmid open reading frame," <i>Plasmid.</i> , 32:318-327, 1994.
	C25	Monoco <i>et al.</i> , "Expression of recombinant human granulocyte colony-stimulating factor in CHO dhfr cells: new insights into the in vitro amplification expression system," <i>Gene</i> , 180:145-150, 1996.
	C26	Nisson et al., "Rapid and efficient cloning of Alu-PCR products using uracil DNA glycosylase," PCR Methods and Applications, 1:120-123, 1991.

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	C27	Rashtchian et al., "Uracil; DNA glycosylase-mediated cloning of polymerase chain reaction-amplified DNA: Application to genomic and cDNA cloning," <i>Anal. Biochem</i> , 206:91-97, 1992.
	C28	Rashtchian, "Novel methods for cloning and engineering genes using the polymerase chain reaction," Curr. Opin. Biotech., 6:30-36, 1995.
	C29	Sampath et al., "Versatile vectors for direct cloning and ligation-independent cloning of peramplified fragments for surface display on filamentous bacteriophages," Gene, 190:5-10, 1997.
	C30	Schickel et al., "Kluyveromyces lactis killer system: analysis of cytoplasmic promoters of the linear plasmids," <i>Nucleic. Acids Res.</i> , 24:1879-1886, 1996.
	C31	Schrunder and Meinhardt, "An extranuclear expression system for analysis of cytoplasmic promoters of yeast linear killer plasmids," <i>Plasmid</i> , 33:139-151, 1995.
	C32	Schunder et al., "Extranuclear expression of the bacterial xylose isomerase (xylA) and the udp-glucose dehydrogenase (hasB) genes in yeast with kluyveromyces lactis linear killer plasmids as vectors," <i>Curr. Microbiol.</i> , 33:323-330, 1996.
	C33	Sekine et al., "Identification and characterization of the linear IS3 molecules generated by staggered breaks," <i>J. Biol. Chem.</i> , 271:197-202, 1996.
	C34	Switzer et al., "Rapid screening of open reading frames by protein synthesis with an in vitro transcription and translation assay," <i>Biotechniques</i> , 18:244-248, 1995.
	C35	Sykes and Johnston, "Linear expression elements: a rapid, in vivo, method to screen for gene functions," <i>Nat. Biotech.</i> , 17:355-359, 1999.
	C36	Tang et al., "Genetic immunization is a simple method for eliciting an immune response," Nature, 356:152-154, 1992.
	C37	Tanguy-Rougeau et al., "Expression of a foreign Km ^R gene in linear killer DNA plasmids in yeast," <i>Gene.</i> , 91:43-50, 1990.
	C38	Ton-Hoang et al., "Efficient transportation of IS911 circles in vitro," <i>Embo. J.</i> , 17:1169-1181, 1998.
	C39	Turner and Moyer, "A PCR-based method for manipulation of the vaccinia virus genome that eliminates the need for cloning," <i>BioTechniques</i> , 13:764-771, 1992.
	C40	Wess, "German start-up mologen to develop DNA vaccines," Article

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	C41	Xie and Tsong, "Study of mechanisms of electric field-induced DNA transfection. V. effects of DNA topology on surface binding, cell uptake, expression, and integration into host chromosomes of DNA in the mammalian cell," <i>Biosphys. Jour.</i> , 65:1684-1689, 1993.

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